Approved For Release 2003/12/10: CIA RDP63-00313A000600020037-4

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MEMORANDUM FOR: Special Assistant to the Director

for Planning and Development

SUBJECT

: Performance Figures of the Faceplate

In accordance with your request, here are the revised estimated performance figures for the Faceplate. Faceplate is believed to be the MIG-21. It is a single place super-sonic swept-wing day interceptor.

Combat Weight 13,400 lbs 12,000 lbs Combat Range 675 N.M. 595 N.M. Combat Radius 240 N.M. 215 N.M. Range with Tanks 1,395 N.M. 1,200 N.M. Combat Altitude 50,000 ft 50,000 ft Combat Speed 720 kts 725 kts **Combat Ceiling 61,000 ft 61,300 ft #Service Ceiling 61,800 ft 62,100 ft	Basic Mission			Option	al Mission
Combat Radius 240 N.M. 215 N.M. Range with Tanks 1,395 N.M. 1,200 N.M. Combat Altitude 50,000 ft 50,000 ft Combat Speed 720 kts 725 kts *Combat Ceiling 61,000 ft 61,300 ft #Service Ceiling 61,800 ft 62,100 ft		13,400	lbs	12,000	lbs
Reage with Tanks 1,395 N.M. 1,200 N.M. Combat Altitude 50,000 ft 50,000 ft Combat Speed 720 kts 725 kts *Combat Ceiling 61,000 ft 61,300 ft #Service Ceiling 61,800 ft 62,100 ft	Combat Range	675	n.M.	595	N.M.
Combat Altitude 50,000 ft 50,000 ft Combat Speed 720 kts 725 kts **Combat Ceiling 61,000 ft 61,300 ft #Service Ceiling 61,800 ft 62,100 ft	Combat Radius	240	N.M.	215	n.M.
Combat Speed 720 kts 725 kts *Combat Ceiling 61,000 ft 61,300 ft #Service Ceiling 61,800 ft 62,100 ft	Reage with Tanks	1,395	N.M.	1,200	N.M.
*Combat Ceiling 61,000 ft 61,300 ft #Service Ceiling 61,800 ft 62,100 ft	Combat Altitude	50,000	ft	50,000	I t
#Service Cailing 61,800 ft 62,100 ft	Combat Speed	720	kts	725	kts
#Service Cailing 61,800 ft 62,100 ft	*Combat Ceiling	61,000	ft	61,300	22
	#Service Coiling	61,800	Tt.		
Time S.L. to -	Time S.L. to -	•		-	
50,000 ft 6.3 min 6.3 min	50,000 ft	6.3	rela.	6.3	min
Total Mission -	Total Mission -	_		~	
Time 92 min 63 min	Time	92	min	63	min
T.M. Time with Tanks 2.2 hrs 2.0 hrs	T.M. Time with Te	nks 2.2	hrs	2.0	hrs
Max Speed at -	Max Speed at -				
35,000 ft 890 kts 895 kts	35,000 ft	890	kts	895	kte

*Combat ceiling is that altitude, for a given weight and engine power setting, at which the maximum rate of climb is 500 ft a minute. #The service ceiling for the same conditions is the altitude at which the maximum rate of climb is 100 ft a minute.

> Ma.jor Intelligence Officer

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